


Lipsett, M., Ostro, B.D., Lipsett, M.J., Wiener, M.B., Selner, J.C., "Human Health and Environmental Effects. Session 136. Woodsmoke Exposure and Human Health Impacts: Effects of Exposures to Indoor Combustion Sources on Asthmatic Symptoms," Proc Annu Meet Exhib Air Waste Manage Assoc 15A(84): 1-16, 1991.

The authors presented preliminary results of an analysis of relationships between indoor and selected outdoor exposures and respiratory symptoms in a population of adult asthmatics residing in Denver, Colorado during the winter of 1987-1988. Outdoor exposures were measured daily. Estimates of indoor exposures were taken from daily diaries that the subjects filled out. The diaries also contained information on symptoms, medication use, utilization of medical services and other variables. The authors reported that "episodes of severe cough are strongly associated with the use of a fireplace or woodstove in men and women, suggesting an irritant effect of woodsmoke." The authors reported that gas stove usage was "an important factor" for women, while occupational exposure and domestic ETS were for men. The authors concluded that "this investigation documents a strong daily relationship between exposure to cigarette smoke and increased probabilities of clinically significant symptoms in free-living asthmatic adults."